

# Production Workshop

The Camera

We are learning a craft.

Vocabulary

Technique

Creativity

# #1 - Develop a Workflow

Think about your project from beginning to end.



# Meet my dad

Mr. Telles





# Driving a stick shift versus an automatic



3 things you must control manually:

Exposure

Focus

White Balance



Exposure



Aperture





f/2.8



f/4



f/5.6



f/8



f/11



f/16



f/22

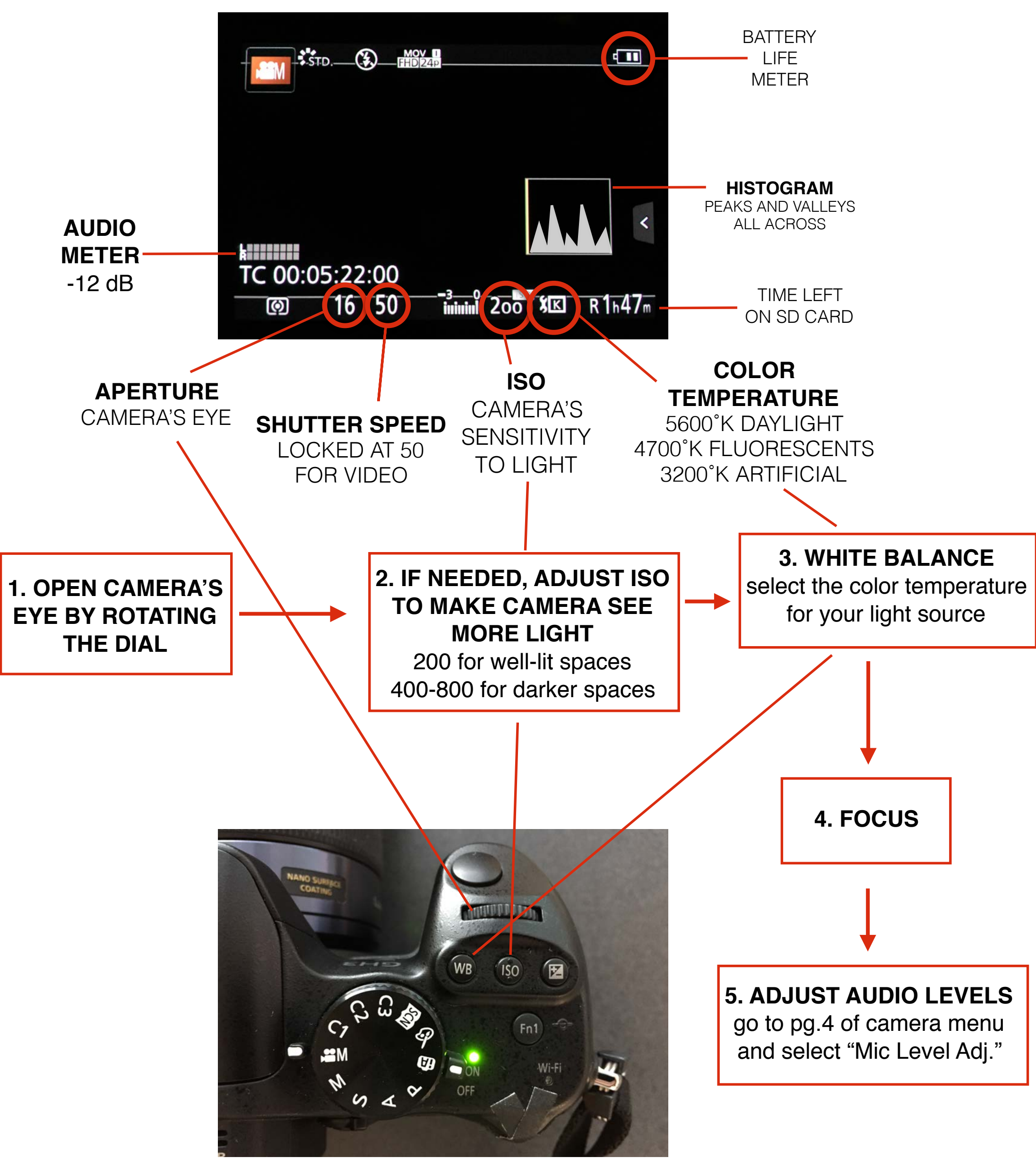








# Muscle Memory Chart for Panasonic Lumix GH3







Focus



*Defiance* (Paramount, 2008)

Turn focus ring to the right - focus on objects that are near

Turn focus ring to the right - focus on objects that are near  
Turn focus ring to the left - focus on objects that are far away





f/22



f/2.8





f/22



f/2.8





f/11



f/4



# Depth of Field

Area in front of and behind a subject/object that will appear in focus.





f/22 Deeper (larger)



f/2.8 Shallow (small)

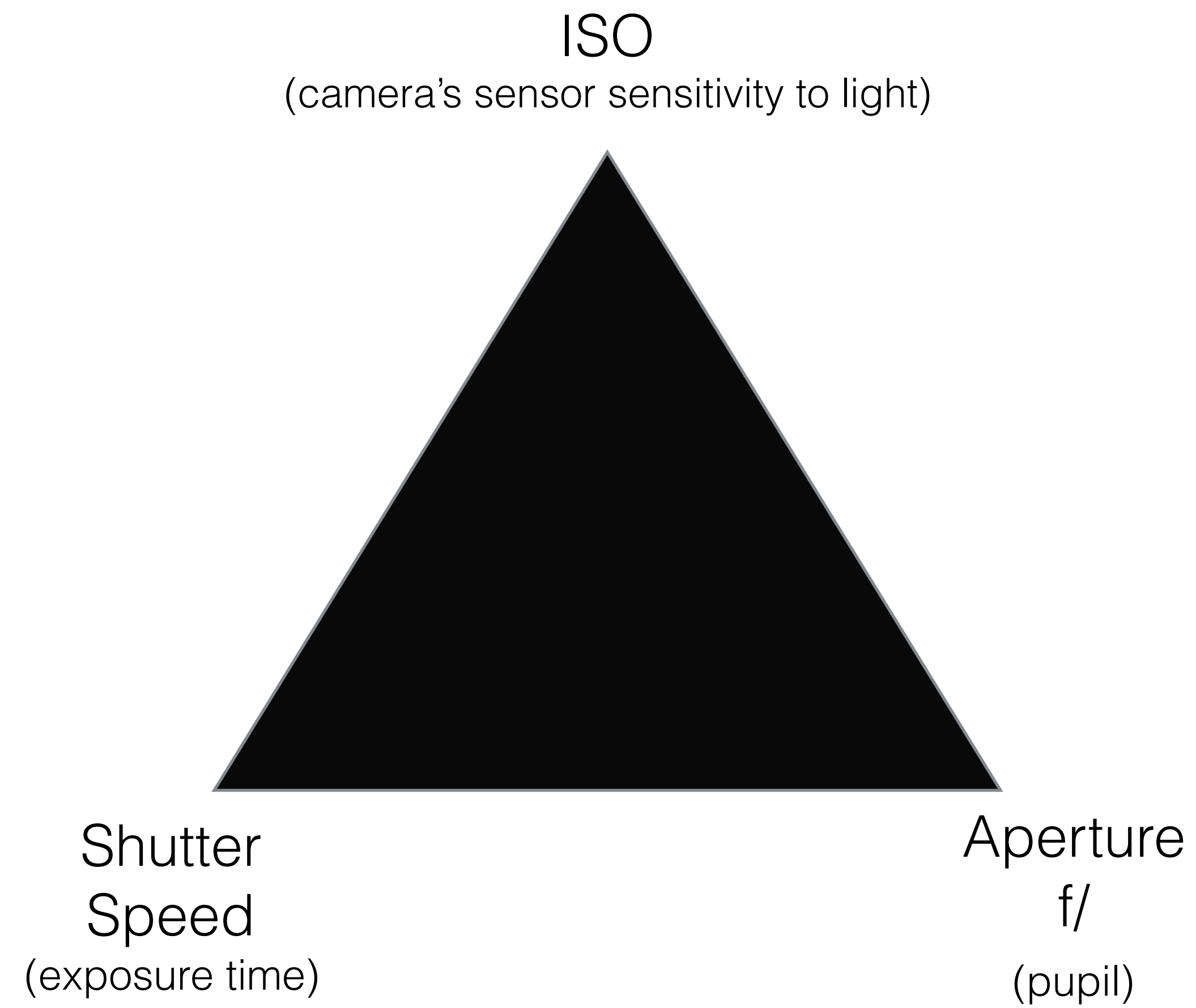




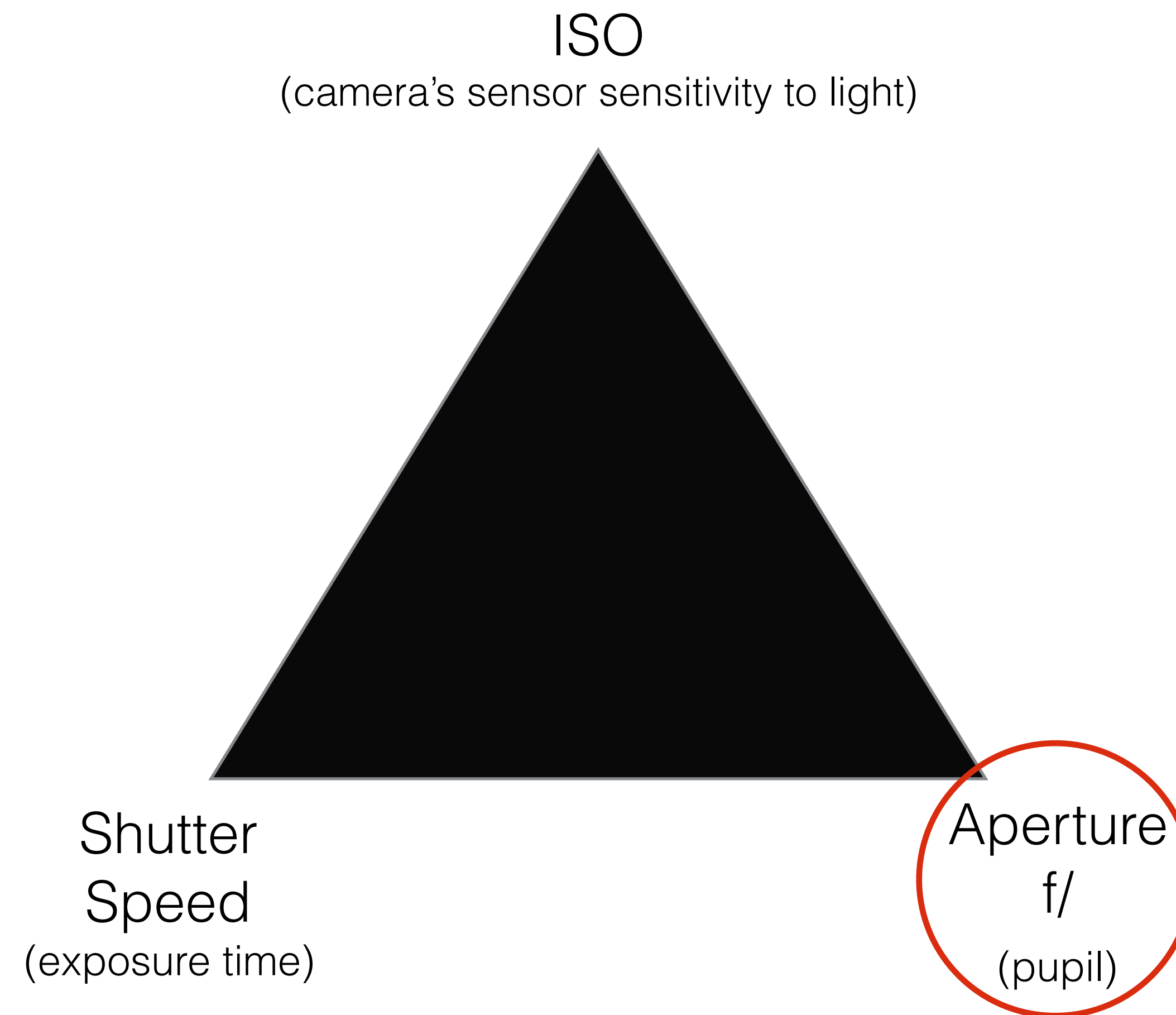


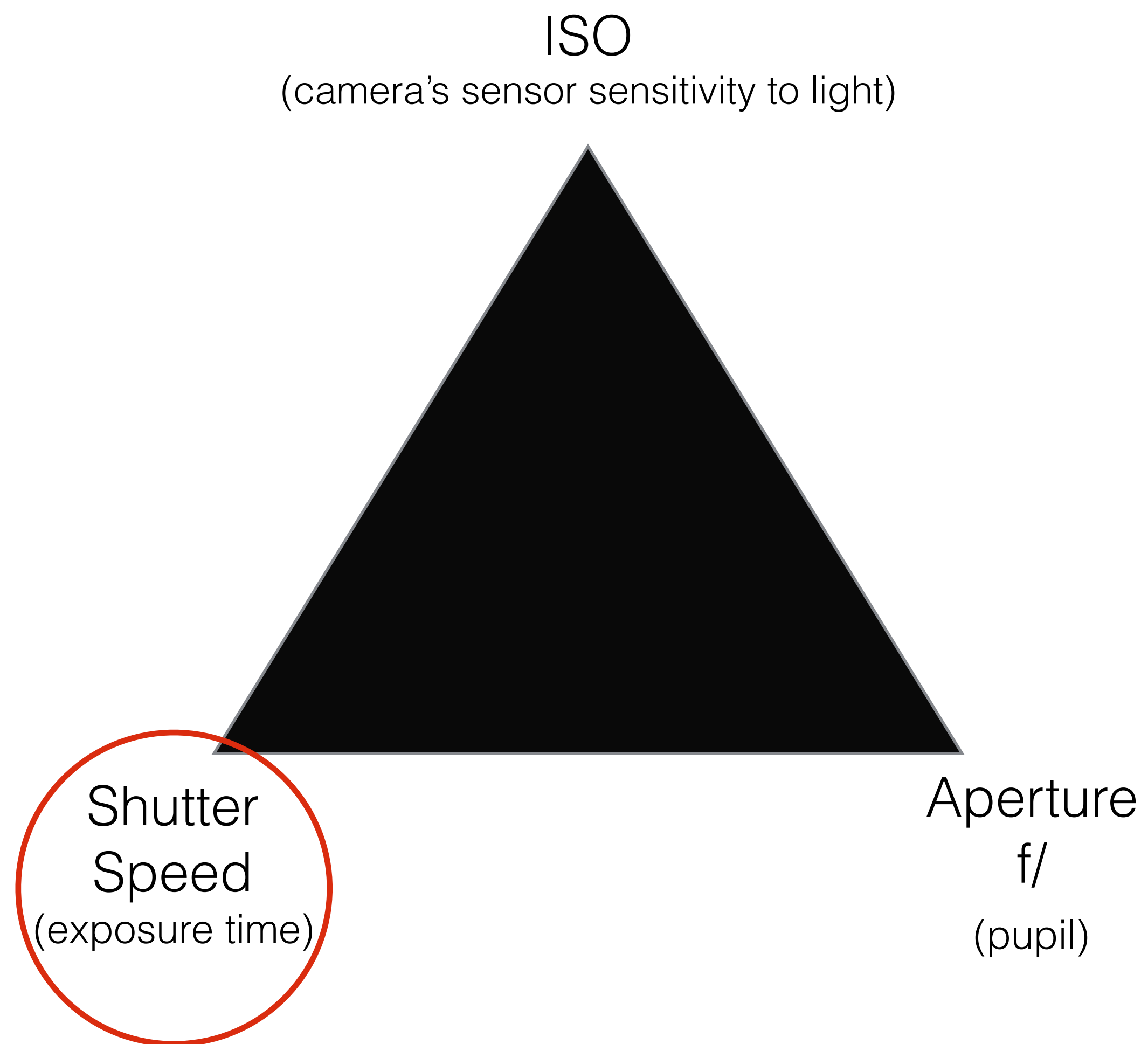


The Exposure Triangle



















# Frame Rate

**Cinema** Frame Rate - **24fps** (frames per second) - 23.98p

**Television** Frame Rate - **30fps** (frames per second) - 29.97p



In video, we double the frame rate  
to get the “ideal” shutter speed.

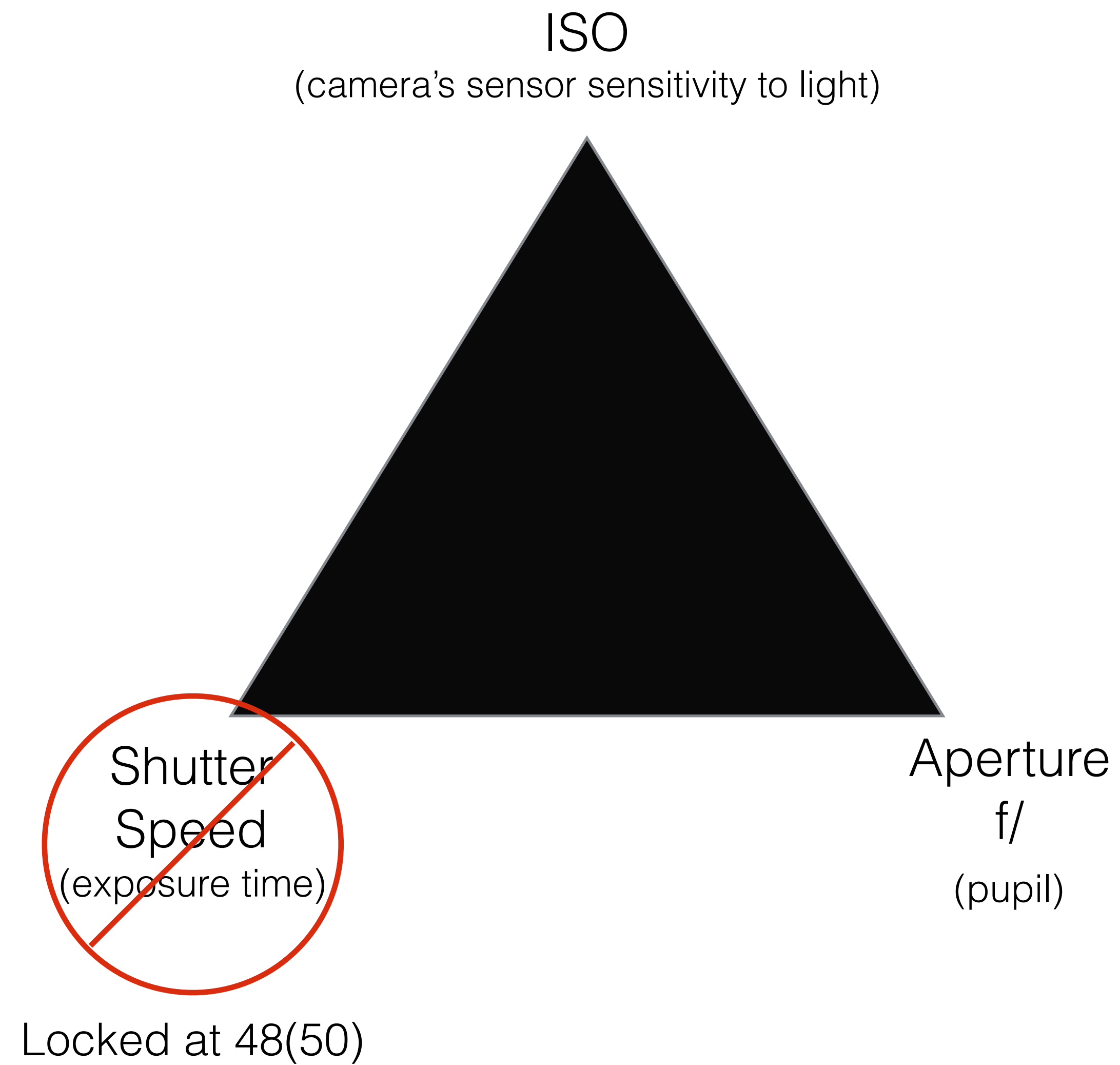
**Cinema** Frame Rate - **24fps** (frames per second)

**Shutter Speed** - **48** (round up to 50 in most cameras)

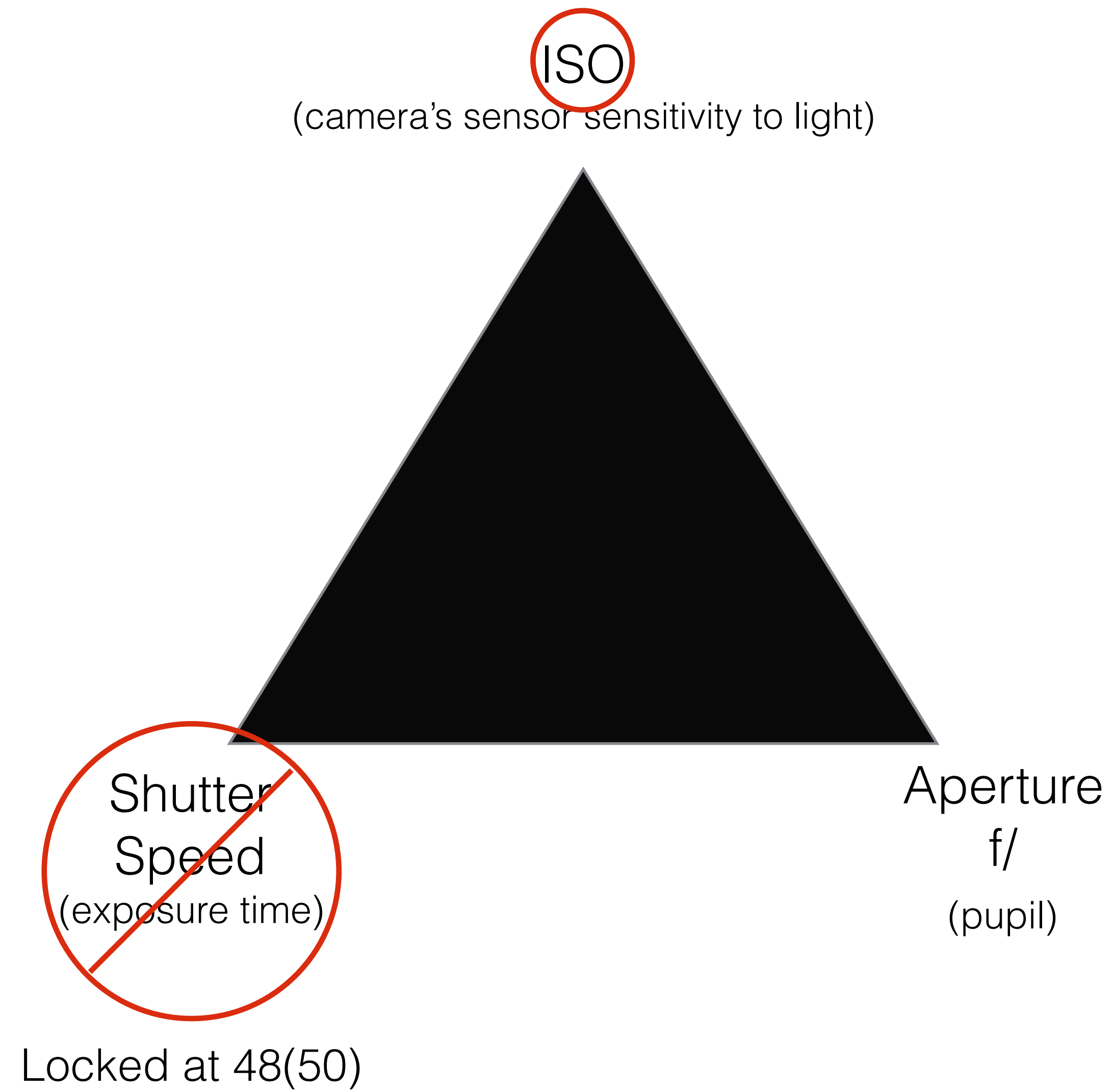
In video, we double the frame rate  
to get the “ideal” shutter speed.

**Television** Frame Rate - **30fps** (frames per second)

**Shutter Speed - 60**



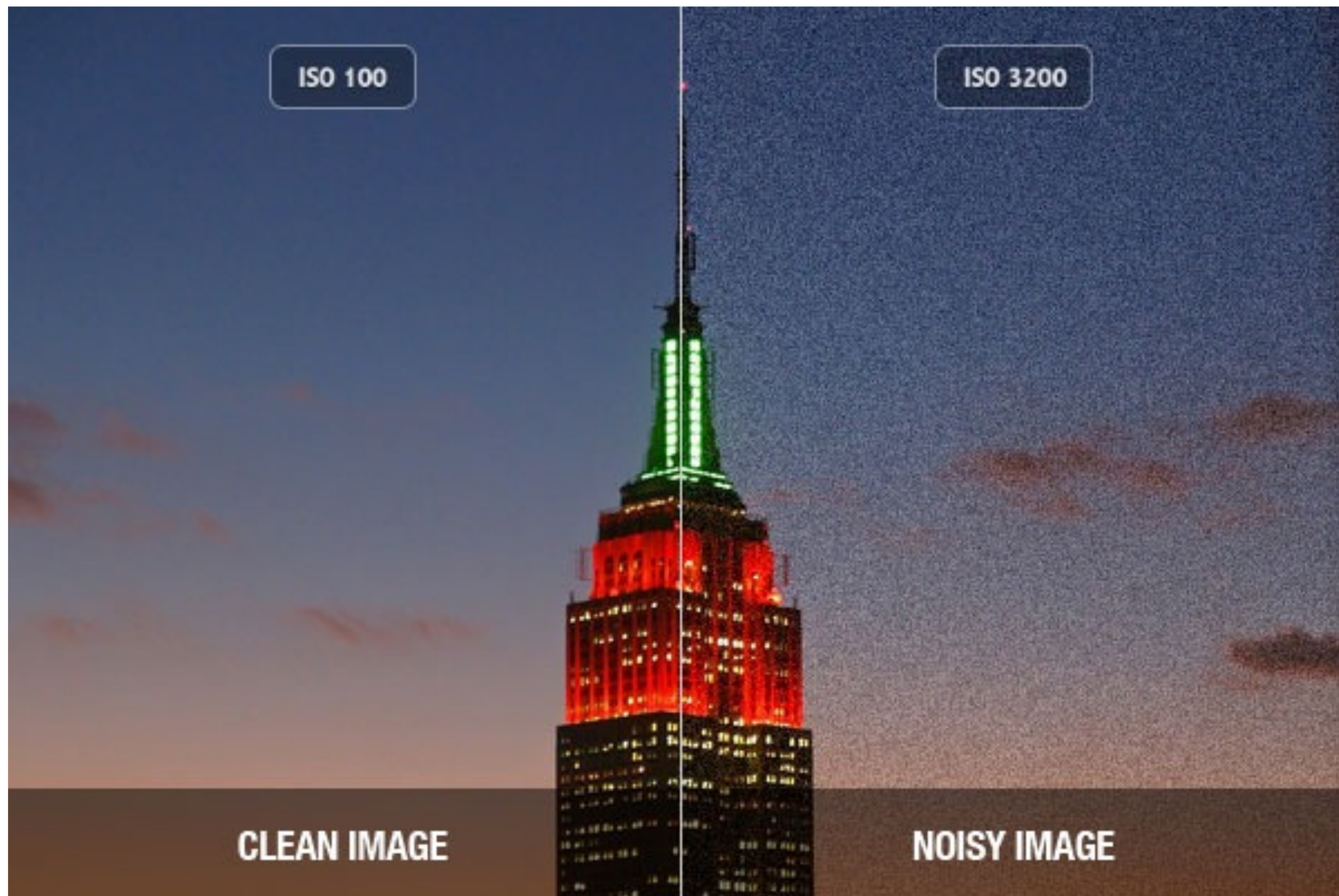






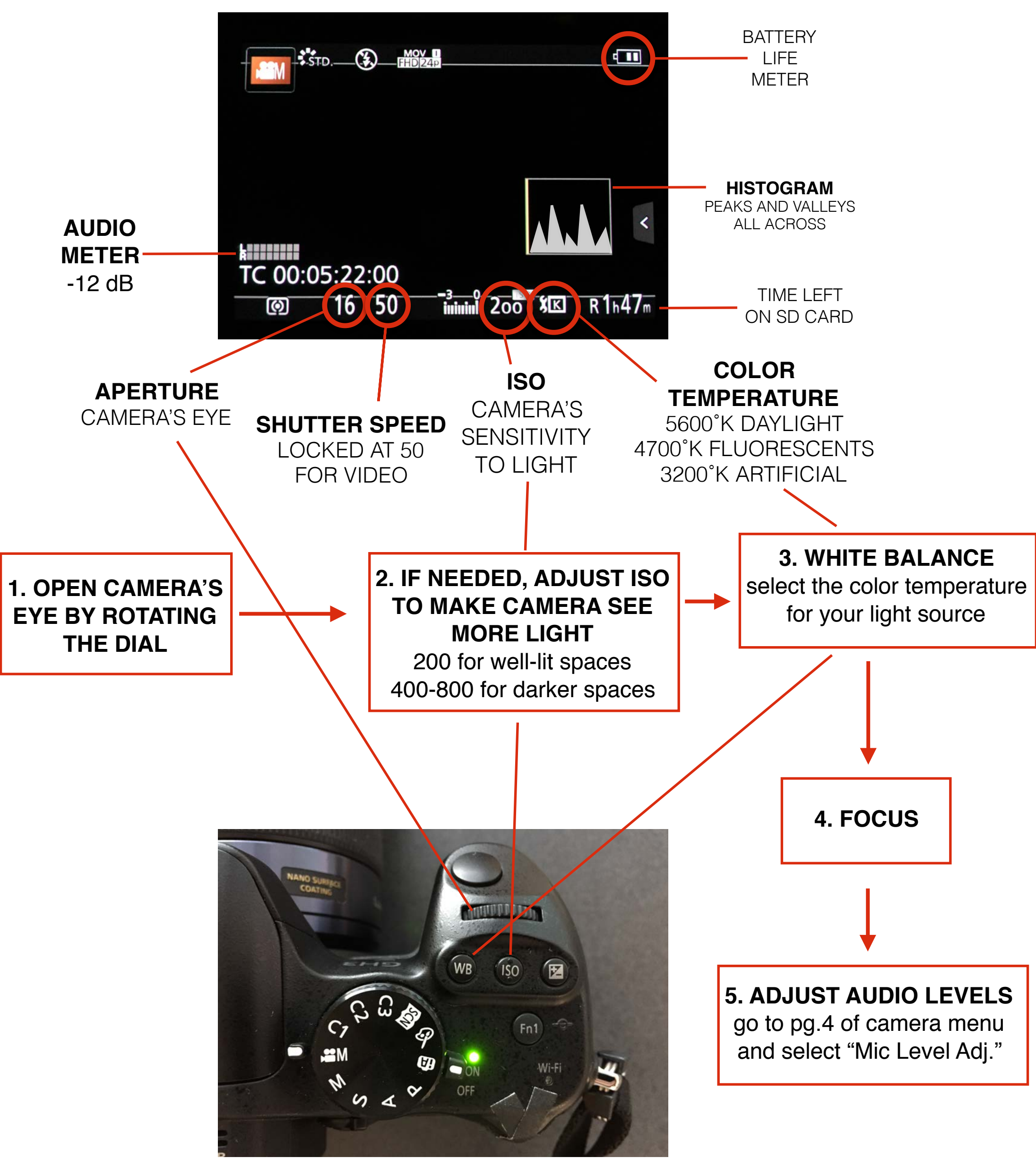








# Muscle Memory Chart for Panasonic Lumix GH3





Neutral Density Filters (ND)





daylight



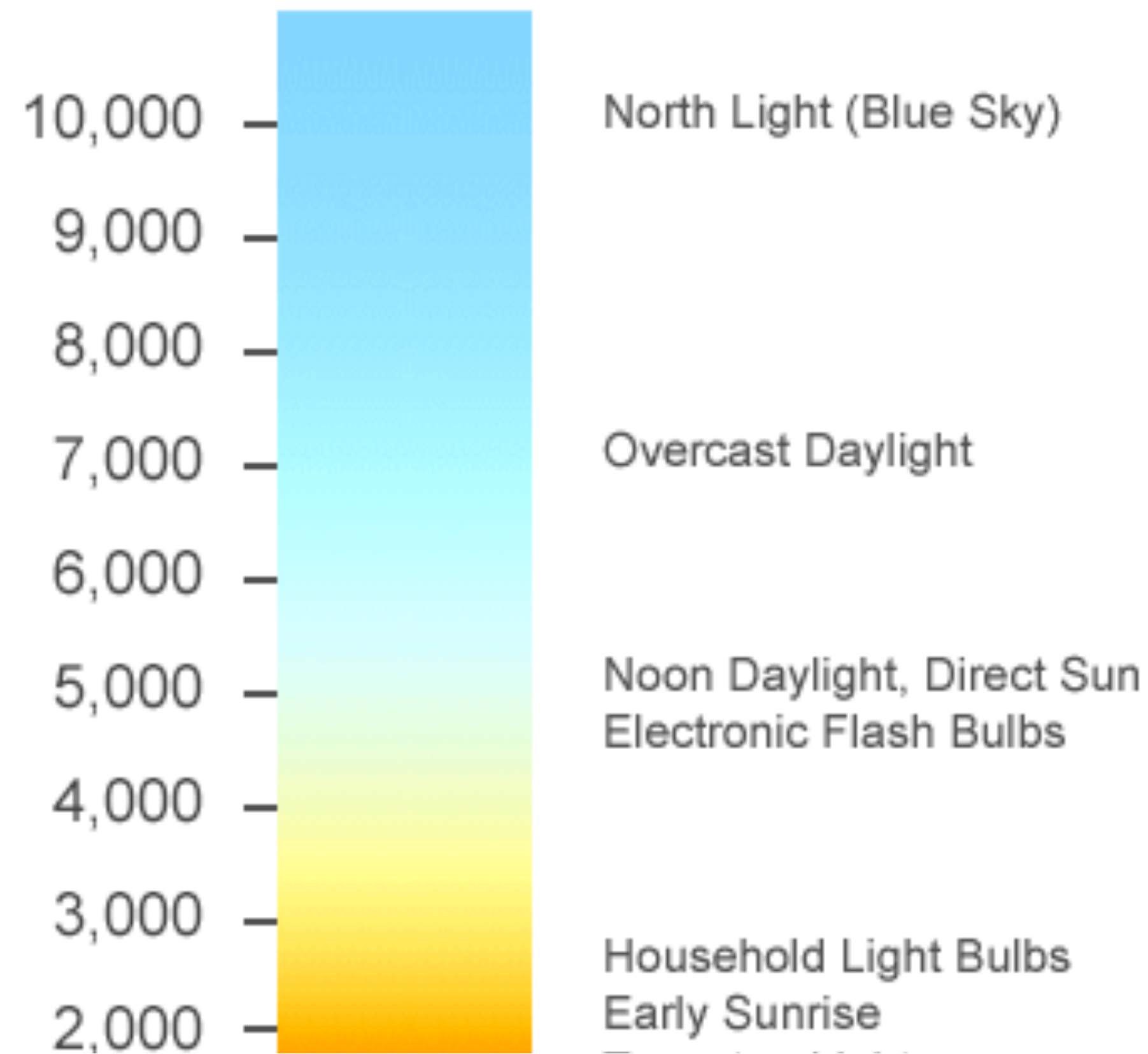
custom  
white-balance



tungsten

# White Balance

## Colour Temperatures in the Kelvin Scale



3200°K - Artificial Light (Tungsten)

4300°K - 4700°K - Fluorescent

5600°K - Daylight